

Application No.: 09/822,716
Reply to Office action of August 23, 2004

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the Amendment*

11/10/04

MH

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of delivery to the pulmonary system comprising:
administering to the respiratory tract of a patient in need of treatment, prophylaxis or diagnosis an effective amount of a dry powder comprising:
 - a) a multivalent metal cation which is complexed with a therapeutic, prophylactic or diagnostic agent;
 - b) a pharmaceutically acceptable carrier; and
 - c) optionally, a multivalent metal cation-containing component wherein, the dry powder is spray-dried and has a total amount of multivalent metal cation which is more than about 1% w/w of the total weight of the agent, a tap density of less than about 0.4 g/cm³, a median geometric diameter of from between about 5 micrometers and about 30 micrometers and an aerodynamic diameter of from about 1 to about 5 microns.
2. (Original) The method of Claim 1, wherein the biologically active agent is a protein.
3. (Original) The method of Claim 2, wherein the protein is insulin.
4. (Original) The method of Claim 2, wherein the multivalent metal cation is selected from Zn(II), Ca(II), Cu(II), Ni(II), Co(II), Fe(II), Ag(II), Mn(II), Mg(II) or Cd(II).
5. (Original) The method of Claim 4, wherein the multivalent metal cation is Zn(II).